



CORE

- Two tough plies consisting of a layer of metalized polyester and a layer of clear polyester encapsulating a steel wire helix creating a high strength and durable product.
- Rated pressures (UL-181): 16 in. W.C. positive, 1 in. W.C. negative ($\leq 12''\phi$) & $1/2''$ W.C. negative ($> 12''\phi$).
- Recommended maximum operating pressures (ADC Test FD 72-R1):
6 in. w.g. positive for 12 in. diameter and under.
4 in. w.g. positive for 14 in. diameter and over.
- Rated maximum air velocity: 6000 FPM.

THERMAL CHARACTERISTICS

- R-4.2 formaldehyde free insulation certified by UL and the Air Diffusion Council in accordance with ADC Flexible Duct Performance and Installation Standards using ASTM C-518 at installed wall thickness on flat insulation only.

VAPOR BARRIER

- A durable black polyethylene vapor barrier
- High tensile multi-directional fiberglass scrim is used under the vapor barrier to provide additional strength and tear resistance.
- Perm rating of 0.1 perms when measured per ASTM E96, Method A.

SURFACE BURNING CHARACTERISTICS

- Flame Spread: Less than 25
- Smoke Developed: Less than 50

OPERATING TEMPERATURE RANGE

- -20°F to 140°F Continuous
- -20°F to 250°F Intermittent

SIZE AVAILABILITY

- Standard length: 25 feet
- Diameters offered: 4" - 10", 12", 14", 16", 18" & 20"
- Plain ends

APPROVALS/COMPLIANCE

- UL-181 (UL LISTED)
- NFPA 90A & 90B
- HUD, IMC, UMC
- California Bureau of Home Furnishings
- Most Federal, State, and Local Codes and Standards.
- GREENGUARD Children & Schools
- GREENGUARD Level 4 "Highly Microbial Resistant" Rated
- CHPS
- American Schools & Hospital Facilities Product Directory

JOB NAME: _____	SUBMITTED BY: _____	DATE: 7/17/2014	SD-5020
LOCATION: _____		F194	
ARCHITECT: _____		Insulated Flexible Air Duct, Class 1	
ENGINEER: _____		R-4.2, Two Ply	
CONTRACTOR: _____		Metalized Polyester/Polyester Core	
		Polyethylene Vapor Barrier	